

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query                                                                    | DBs                                                | Default Operator | Plurals | Time Stamp          |
|-------|------|---------------------------------------------------------------------------------|----------------------------------------------------|------------------|---------|---------------------|
| S5    | 267  | (102/202).CCLS.                                                                 | US-PGPUB;<br>USPAT                                 | OR               | OFF     | 2010/03/26<br>10:12 |
| S6    | 3    | ((("0677527") or ("0694295") or ("0677528"))).PN.                               | US-PGPUB;<br>USPAT                                 | OR               | OFF     | 2010/03/26<br>10:18 |
| S7    | 5    | ((("6071444") or ("5129304") or ("5251549") or ("4581998") or ("2342204"))).PN. | US-PGPUB;<br>USPAT                                 | OR               | OFF     | 2010/03/26<br>10:25 |
| S10   | 34   | (dahlberg near3 johan).in.                                                      | US-PGPUB;<br>USPAT; EPO;<br>JPO                    | OR               | ON      | 2010/03/26<br>10:29 |
| S11   | 455  | (102/430).CCLS.                                                                 | US-PGPUB;<br>USPAT                                 | OR               | OFF     | 2010/03/26<br>10:32 |
| S12   | 516  | (264/3.1).CCLS.                                                                 | US-PGPUB;<br>USPAT                                 | OR               | OFF     | 2010/03/26<br>11:02 |
| S13   | 941  | 264/3.1-3.6.ccls.                                                               | US-PGPUB;<br>USPAT                                 | OR               | ON      | 2010/03/26<br>11:04 |
| S14   | 591  | (149/109.6).CCLS.                                                               | US-PGPUB;<br>USPAT                                 | OR               | OFF     | 2010/03/26<br>11:05 |
| S15   | 668  | (102/283,289,290,291,292).CCLS.                                                 | US-PGPUB;<br>USPAT                                 | OR               | OFF     | 2010/03/26<br>11:05 |
| S16   | 857  | 102/283-292.ccls.                                                               | US-PGPUB;<br>USPAT                                 | OR               | ON      | 2010/03/26<br>11:06 |
| S17   | 280  | (102/431-433).CCLS.                                                             | US-PGPUB;<br>USPAT                                 | OR               | OFF     | 2010/03/26<br>13:08 |
| S18   | 0    | ("propellantsameperforat\$6").PN.                                               | US-PGPUB;<br>USPAT                                 | OR               | OFF     | 2010/03/26<br>13:09 |
| S19   | 2161 | propellant same perforat\$6                                                     | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR               | ON      | 2010/03/26<br>13:09 |
| S20   | 2161 | propellant same perforat\$6                                                     | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR               | ON      | 2010/03/26<br>13:12 |
| S21   | 276  | propellant same perforat\$6 same radially                                       | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR               | ON      | 2010/03/26<br>13:12 |
| S22   | 857  | 102/283-292.ccls.                                                               | US-PGPUB;<br>USPAT                                 | OR               | ON      | 2010/03/26<br>13:13 |
| S23   | 13   | S21 and S22                                                                     | US-PGPUB;<br>USPAT                                 | OR               | ON      | 2010/03/26<br>13:13 |
| S24   | 383  | propellant same perforat\$6 same radial \$5                                     | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR               | ON      | 2010/03/26<br>13:18 |

|     |      |                                                                                                                                  |                                                                         |    |     |                     |
|-----|------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|----|-----|---------------------|
| S25 | 1208 | 102/283-292.ccls.                                                                                                                | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2010/03/26<br>13:18 |
| S26 | 58   | S24 and S25                                                                                                                      | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2010/03/26<br>13:18 |
| S27 | 376  | (102/431-433).CCLS.                                                                                                              | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/03/26<br>13:46 |
| S28 | 10   | S24 and S27                                                                                                                      | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2010/03/26<br>13:46 |
| S29 | 1390 | 264/3.1-3.6.ccls.                                                                                                                | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2010/03/26<br>13:50 |
| S30 | 15   | S24 and S29                                                                                                                      | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2010/03/26<br>13:50 |
| S31 | 698  | (149/109.6).CCLS.                                                                                                                | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/03/26<br>13:54 |
| S32 | 4    | S24 and S31                                                                                                                      | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2010/03/26<br>13:54 |
| S33 | 6    | (US-20040216823-\$ or US-20080282926-\$ or US-20090148549-\$).<br>did. or (US-7507308-\$ or US-5349892-\$ or US-6071444-\$).did. | US-PGPUB;<br>USPAT                                                      | OR | ON  | 2010/03/26<br>14:08 |
| S38 | 1    | ("7507308").PN.                                                                                                                  | US-PGPUB;<br>USPAT                                                      | OR | OFF | 2010/03/26<br>17:05 |
| S39 | 10   | ("0677527"   "0766455"   "2342204"  <br>"4581998"   "5129304"   "5251549"  <br>"6071444").PN. OR ("7507308").URPN.               | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON  | 2010/03/26<br>17:05 |

|     |    |                                                                                                                                                                                  |                    |    |     |                     |
|-----|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----|-----|---------------------|
| S40 | 11 | ((("7507308") or ("20090148549") or ("20080047453") or ("6071444") or ("5251549") or ("4581998") or ("3116692") or ("3099963") or ("5063851") or ("5349892") or ("0766455")).PN. | US-PGPUB;<br>USPAT | OR | OFF | 2010/03/26<br>17:08 |
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**3/ 26/ 2010 7:49:12 PM**

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